



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE

4949-A Cox Road, Glen Allen, Virginia 23060

(804) 527-5020 Fax (804) 527-5106

www.deq.virginia.gov

Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Michael P. Murphy
Regional Director

August 31, 2015

Mr. Drew Isenhour
Area President
King and Queen Sanitary Landfill
Republic Services, Inc.,
BFI Waste Systems of Virginia, LLC
4443 Iris Road
Little Plymouth, VA 23091

Location: King and Queen
Registration No: 40937

Dear Mr. Isenhour:

Attached is a renewal to your Title V permit to operate your municipal solid waste landfill pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution. This permit incorporates provisions from the NSR permit dated November 20, 2014.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In evaluating the application and arriving at a final decision to issue this permit, the Department deemed the application complete on August 31, 2015 and solicited written public comments by placing a newspaper advertisement in The Tidewater Review Newspaper on June 17, 2015. The 30 day comment period (provided for in 9 VAC 5-80-270) expired on July 17, 2015 with no comments by the public. The US EPA concurrent comment period ended on August 10, 2015 and all minor comments were resolved with changes included in the final draft sent to US EPA on August 27, 2015.

This approval to operate does not relieve Republic Services, Inc., BFI Waste Systems of Virginia, LLC - King and Queen Sanitary Landfill of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9 VAC 5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

Mr. David K. Paylor, Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please call the regional office at 804-527-5020.

Sincerely,



James E. Kyle, P.E.
Air Permits Manager

JEK/hll/40937TVRenewalTitleVCoverLetter08312015Final.docx

Attachment: Permit

Links to the regulations below:

<http://www.gpo.gov/fdsys/browse/collectionCfr.action?collectionCode=CFR>

40 CFR 60, Subpart WWW

40 CFR 60, Subpart IIII

40 CFR 63, Subpart AAAA

40 CFR 63, Subpart ZZZZ

67 FR 36476 (May 23, 2002 – NSPS WWW Clarification)

71 FR 174 (September 8, 2006 – NSPS WWW/NESHAP AAAA Clarification)

Ec: Director, OAPP (electronic file submission)
Data Analysis (electronic file submission)
Chief, Air Enforcement Branch, USEPA Region III (electronic file submission)
Manager/Inspector, Air Compliance (electronic file submission)



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Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Republic Services, Inc., BFI Waste Systems of Virginia, LLC
Facility Name:	King and Queen Sanitary Landfill
Facility Location:	4333 Iris Road Little Plymouth, VA 23091
Registration Number:	40937
Permit Number:	PRO-40937

August 31, 2015
Effective Date

August 30, 2020
Expiration Date



Kyle Jyar Winter, P.E., Deputy Regional Director

August 31, 2015
Signature Date

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Facility Information

Permittee/ Facility

King and Queen Sanitary Landfill
Republic Services, Inc., BFI Waste Systems of Virginia, LLC
4333 Iris Road
Little Plymouth, VA 23091

Responsible Official

Mr. Drew Isenhour
Area President

Facility Contact

Mr. Tim Torrez
Environmental Manager (804-640-7674)

County-Plant Identification Number: 51-097-0017

Facility Description: NAICS Code 562212 – Municipal Solid Waste (MSW) Sanitary Landfill (L01) with a design capacity of 56.19 million megagrams/61,940,000 cubic yards accepting MSW on 269 acres of lined disposal area, which includes Phases 1, 2, 3, 4, and 5. The facility has an active Gas Collection and Control System GCCS with one 3000 scfm open flare PCD- 01 and one 6000 scfm enclosed flare PCD-03. The facility is subject to the New Source Performance Standard (NSPS) 'Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills and the Landfill MACT (40 CFR 63 Subpart AAAA). Because the facility is subject to Subpart WWW, it is required to collect and control the emission of landfill gas and is subject to Title V permitting. The King and Queen Sanitary Landfill Facility began accepting waste in June 1, 1994. An Initial Design Capacity Report was received from King and Queen Sanitary Landfill Facility approximately 1994. The Gas Collection and Control System (GCCS) Design Plan was submitted by the source on June 6, 1997 and the GCCS was installed in June 1997. The latest GCCS Design Plan was approved on September 21, 2012. The initial Title V permit was issued on May 12, 2000 and amended on July 22, 2005. The initial [semi-]annual report was submitted on October 25, 2000. The 3000 scfm open flare PCD-01 and 6000 scfm enclosed flare PCD-03 was last permitted on February 14, 2013, revised for SO₂ on November 20, 2014. The currently installed flares, PCD-1 and PCD-3 initial performance testing consistent with the provisions of 40 CFR 60.8 and 60.18 was conducted and approved as follows:

	Testing Date	Test Report Received	Approved
F01	Removed.		
PCD-1*	January 18, 2005	March 7, 2005	May 3, 2006
PCD-2	Not Installed and removed from permit.		
PCD-3*	January 13, 2010	February 19, 2010	June 10, 2010

* Installed flares met the operating and emission limitations of 40 CFR 60.18 during the initial performance Tests

The facility is a Title V major source of CO. This source is located in an attainment area for all pollutants, and is a PSD minor source. This air permit action is both a significant permit modification based on the February 14, 2013 State Major permit (amended on November 20, 2014) and is a Title V permit renewal. The renewal application was received on January 21, 2010 and was deemed timely and administratively complete. Therefore, the Title V permit application shield is in place and application was complete on August 31, 2015.

Emission Unit and Control Equipment Identification

The emissions units at this facility consist of the following:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device Description (PCD)	PCD ID	Pollutant Controlled	Applicable Permit Date
L01	1	Municipal Solid Waste Landfill, Solid Waste Permit No. 554, which includes Phases 1, 2, 3, 4, and 5 with GCCS.	56.19 million Megagrams/ 61,940,000 CY 90 Million BTU/Hour, 3000 scfm maximum	GCCS and Open Flare System – Primary (PEI or equal - LFG Specialties, Inc.) PCD-01		NMOC	11/20/2014
			180 Million BTU/Hour, 6000 scfm maximum	or Enclosed Flare System – Secondary (John Zink or equal)	PCD-03		
---	---	Landfill Surface and Roads	---	---	---	---	---
SF1-SF8		Up to Eight (8) Solar Flares	(1.5 Million BTU/Hr) =<400 scfm Total	None.	SF1-SF8	VOC/HAPs/CO/NOx/SOx/PM	11/20/2014
EG-1		Emergency Diesel Generator Set	225 kW ~335 HP	None	EG-1	VOC/HAPs/CO/NOx/SOx/PM	11/20/2014

Fuel Burning and Process Equipment – Landfill (LO1, PCD-01 and PCD-03)

Limitations

1. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Limitations - Design Capacity**
- The design capacity of the MSW sanitary landfill, which includes Phases 1, 2, 3, 4, and 5 is 56.19 million mega-grams (61,940,000 cubic yards). A change in the design capacity may require a State Air Pollution Control Board permit to construct and operate.
(9 VAC 5-80-110 and Condition 2 of the NSR permit dated 11/20/2014)
2. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Limitations - Design and Operational Standards** - The permittee shall operate the active landfill gas (LFG) collection and control system in the following manner:
 - a. Design the system to handle the maximum expected gas flow rate from Phases 1, 2, 3, 4, and 5, which has been calculated to be 4,935,909,600 cubic feet per year, using the procedures listed in 40 CFR 60.755(a)(1). The maximum expected gas flow rate shall be recalculated when design capacity is increased or additional cells other than those listed are proposed for landfill expansion and the LFG system shall be redesigned to handle the maximum expected gas flow rate from the entire area of the landfill;
 - b. Collect gas from each area, cell or group of cells in which initial solid waste has been in place for a period of:
 1. 5 years or more if active;
 2. 2 years or more if closed or at final grade;
 - c. Collect gas at a sufficient extraction rate. Upon maturation of the landfill and full implementation of the gas collection system, the gas collection system shall meet the requirements of 40 CFR 60.753.
 - d. Operate each wellhead under negative pressure except as provided in 40 CFR 60.753 (b).
 - e. Operate each interior wellhead in the collection system such that it has a landfill gas temperature less than 55°C and has either a nitrogen content less than 20 percent, as determined by EPA Method 3C; or an oxygen content less than 5 percent, as determined by EPA Method 3A. The permittee may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.
 - f. Design the system to minimize off-site migration of subsurface gas by installing liners meeting the requirements listed in 40 CFR 258.40 for Phases 1, 2, 3, 4, and 5;
 - g. Route the collected landfill gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system is subject to the requirements listed in h and i; or
 - h. Control landfill gas emissions by routing the collected landfill gas to the open flare or the enclosed flare. The open flare must meet the criteria in 40 CFR 60.18;

- i. Maintain the methane concentration at the surface of the landfill at less than 500 ppmv above the background level.

A change in the control system to those listed in items g, h and i may require a permit to modify and operate.

(9 VAC 5-80-110, 40 CFR 60.755, 60.753, 60.18 and Condition 3 of the NSR permit dated 11/20/2014)

3. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-01 and PCD-03) Limitations - Flare Requirements** - The PCD-01 open flare and PCD-03 enclosed flare shall be subject to the following requirements listed in 40 CFR 60.18 and 40 CFR 60.756.

- a. A non-assisted flare type shall be installed.
- b. The net heating value for the landfill gas being combusted shall be 200 BTU/SCF or greater and determined according to methods listed in 40 CFR 60.18(f)(3) or other methods approved by EPA, Region III.
- c. The exit velocity shall be less than 60 FT/SEC except when the net heating value for the landfill gas is greater than 1,000 BTU/SCF or the exit velocity is less than V_{MAX} and less than 400 FT/SEC. The exit velocity shall be determined using the applicable methods listed in 40 CFR 60.18(f)(4) and 40 CFR 60.18(f)(5) or methods approved by EPA, Region III.
- d. A heat sensing device, such as an ultraviolet beam sensor or thermocouple, shall be installed at the open flare's pilot light or the flame itself to indicate the continuous presence of a flame.
- e. The enclosed flare shall have a temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of ± 1 percent of the temperature being measured expressed in degrees Celsius or ± 0.5 degrees Celsius, whichever is greater.
- f. A gas flow-meter shall be installed, calibrated, and maintained to record the landfill gas flow to the flares at minimum every 15 minutes.

(9 VAC 5-80-110, 40 CFR 60.756, 60.18 and Condition 4 of the NSR permit dated 11/20/2014)

4. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-03) Limitations - Flare Requirements** – The PCD-03 enclosed flare shall achieve a control efficiency by stack test for NMOCs of no less than 98 percent, on a mass basis or reduce C_{NMOC} to 20 ppmvd or less, dry basis as hexane at three percent oxygen.

(9 VAC 5-80-110, 40 CFR 60.752 and Condition 5 of the NSR permit dated 11/20/2014)

5. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Limitations - Fugitive Dust Emission Control** - Fugitive dust emission controls shall include the following or equivalent as approved by DEQ:
- a. Fugitive dust from grading, cell construction, waste compaction, application of daily cover, wood waste chipping operations, storage piles and traffic areas shall be controlled by wet suppression or equivalent (as approved by the DEQ) control measures.
 - b. All material being stockpiled shall be kept moist to control fugitive dust during storage and handling, or covered to minimize emissions.
 - c. Fugitive dust from haul roads shall be controlled by wet suppression and prompt removal of dried sediment resulting from soil erosion and dirt spilled or tracked onto paved surfaces within the landfill.
 - d. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent fugitive dust emissions. Dirt spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.
- (9 VAC 5-80-110 and Condition 6 of the NSR permit dated 11/20/2014)
6. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Limitations - Operational Requirements** – The permittee shall demonstrate compliance with operational standards for the landfill gas collection and control system required by Subpart WWW (40 CFR 60.753) in accordance with appropriate subsection(s) of Subpart WWW (40 CFR 60.755). The permittee shall demonstrate compliance with the landfill gas collection and control system requirements of Subpart WWW (40 CFR 60.752) in accordance with appropriate subsection(s) of Subpart WWW (40 CFR 60.755). All reports required to demonstrate compliance with the compliance requirements of Subpart WWW (40 CFR 60.755) shall be prepared and submitted to the Piedmont Regional Office as required by Subpart WWW (40 CFR 60.755).
(9 VAC 5-80-110, 40 CFR 60.752, 60.753, 60.755 and Condition 7 of the NSR permit dated 11/20/2014)
7. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Limitations - Gas Collection and Control Design Plan** – The permittee shall submit a revised gas collection and control system design plan that accounts for the added flare capacity as required by NSPS Subpart WWW (40 CFR 60.753). The revised gas collection and control design plan or a letter addendum shall be submitted to the Director, Piedmont Region for approval by March 19, 2015 [Completed].
(9 VAC 5-80-110, 40 CFR 60.753 and Condition 8 of the NSR permit dated 11/20/2014)
8. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Limitations - Operation of Landfill** - Except where this permit is more restrictive than the applicable requirement, the MSW landfill shall be constructed and operated in accordance with 40 CFR 60, Subpart WWW and 40 CFR 63, Subpart AAAA.
(9 VAC 5-80-110, 40 CFR 60, Subpart WWW, 40 CFR 63, Subpart AAAA and Condition 9 of the NSR permit dated 11/20/2014)

9. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Limitations - Operation of LFG Collection and Control System** - The gas control system shall be in operation at all times when the collected gas is routed to the system. The gas mover system shall be shut down and all valves in the collection and control system allowing atmospheric venting of landfill gases shall be closed within 1 hour if the collection or control system is inoperable, unless landfill gases are being diverted offsite as required by NSPS Subpart WWW (40 CFR 60.753).
 (9 VAC 5-80-110, 40 CFR 60.752, 60.753 and Condition 10 of the NSR permit dated 11/20/2014)
10. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-01 and PCD-03) Limitations - Fuel** - The approved fuel for the PCD-01 and PCD-03 flares is landfill gas. Each flare may also use propane gas to ignite the pilot flame in each flare. A change in fuel may require a permit to modify and operate.
 (9 VAC 5-80-110 and Condition 11 of the NSR permit dated 11/20/2014)
11. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-01 and PCD-03) Limitations - Fuel Throughput** - The PCD-01 open flares shall consume no more than 886,161,600 cubic feet of landfill gas per year, calculated monthly as the sum of each consecutive 12 month period. The PCD-03 enclosed flare shall consume no more than 3,153,600,000 cubic feet of landfill gas per year, calculated monthly as the sum of each consecutive 12 month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 (9 VAC 5-80-110 and Condition 12 of the NSR permit dated 11/20/2014)
12. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-01 and PCD-03) Limitations - Visible Emission Limit** - The PCD-01 open flare and PCD-03 enclosed flare shall be operated with no visible emissions, as determined by EPA Method 22, except for periods not to exceed a total of 5 minutes during two consecutive hours. This condition applies at all times except during startup, shutdown and malfunction.
 (9 VAC 5-80-110, 40 CFR 60.18 and Condition 13 of the NSR permit dated 11/20/2014)
13. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-01) Limitations - Emission Limits** - Emissions from the operation of the 3000 scfm PCD-01 open flare shall not exceed the limits specified below:

Particulate Matter	1.5 lbs/hr	3.8 tons/yr (9 VAC 5-50-260)
PM10	1.5 lbs/hr	3.8 tons/yr (9 VAC 5-50-260)
PM2.5	1.5 lbs/hr	3.8 tons/yr (9 VAC 5-50-260)
Sulfur Dioxide	7.4 lbs/hr	18.3 tons/yr (9 VAC 5-50-260)
Nitrogen Oxides	6.1 lbs/hr	15.1 tons/yr (9 VAC 5-50-260)
Carbon Monoxide	33.3 lbs/hr	82.0 tons/yr (9 VAC 5-50-260)
Non-Methane Organic Compounds	0.5 lbs/hr	1.2 tons/yr (9 VAC 5-50-260)

Volatile Organic Compounds	0.2 lbs/hr	0.4 tons/yr (9 VAC 5-50-260)
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These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 10 and 11.
 (9 VAC 5-80-110 and Condition 14 of the NSR permit dated 11/20/2014)

14. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-03) Limitations - Emission Limits** - Emissions from the 6000 scfm PCD-03 enclosed flare shall not exceed the limits specified below:

Particulate Matter	3.1 lbs/hr	13.4 tons/yr (9 VAC 5-50-260)
PM10	3.1 lbs/hr	13.4 tons/yr (9 VAC 5-50-260)
PM2.5	3.1 lbs/hr	13.4 tons/yr (9 VAC 5-50-260)
Sulfur Dioxide	14.9 lbs/hr	65.2 tons/yr (9 VAC 5-50-260)
Nitrogen Oxides	10.8 lbs/hr	47.3 tons/yr (9 VAC 5-50-260)
Carbon Monoxide	36.0 lbs/hr	157.7 tons/yr (9 VAC 5-50-260)
Non-Methane Organic Compounds	0.9 lbs/hr	4.1 tons/yr (9 VAC 5-50-260)
Volatile Organic Compounds	0.4 lbs/hr	1.6 tons/yr (9 VAC 5-50-260)

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 10 and 11.
 (9 VAC 5-80-110 and Condition 15 of the NSR permit dated 11/20/2014)

15. **Fuel Burning and Process Equipment – (Emission Unit #s SF1-SF8, PCD-1 and PCD-3) Limitations - Emission Limits** - Emissions from combined flare operation of SF1-SF8, PCD-01 and PCD-03 shall not exceed the limits specified below:

Particulate Matter	4.8 lbs/hr	18.1 tons/yr (9 VAC 5-50-260)
PM10	4.8 lbs/hr	18.1 tons/yr (9 VAC 5-50-260)
PM2.5	4.8 lbs/hr	18.1 tons/yr (9 VAC 5-50-260)
Sulfur Dioxide	23.3 lbs/hr	87.8 tons/yr (9 VAC 5-50-260)
Nitrogen Oxides	17.4 lbs/hr	64.5 tons/yr (9 VAC 5-50-260)
Carbon Monoxide	71.3 lbs/hr	248.5 tons/yr (9 VAC 5-50-260)

Non-Methane Organic Compounds	1.5 lbs/hr	5.6 tons/yr (9 VAC 5-50-260)
Volatile Organic Compounds	0.6 lbs/hr	2.2 tons/yr (9 VAC 5-50-260)

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 10 and 11.
 (9 VAC 5-80-110 and Condition 16 of the NSR permit dated 11/20/2014)

16. **Fuel Burning Equipment and Process Requirements – Emergency Generator (Emission Unit # EG-1) - Federal Requirements** – Except where this permit is more restrictive than the applicable requirement, the emergency diesel generator (EG-1) is subject to 40 CFR 63 MACT Subpart ZZZZ because the stationary RICE (EG-1) is located at an area source of HAP emissions and is existing since construction or reconstruction of the stationary RICE (EG-1) commenced before June 12, 2006, per §63.6590(a)(1)(iii). The facility shall notify the Administrator of the installation or replacement or modification of any diesel engine on site. This may result in the applicability of additional requirements under 40 CFR 60 NSPS Subpart IIII or NSPS Subpart JJJJ and/or 40 CFR 63 MACT Subpart ZZZZ.
 (9 VAC 5-80-110 and 40 CFR 63.6590)
17. **Fuel Burning Equipment and Process Requirements – Emergency Generator (Emission Unit # EG-1) - Federal Requirements** – Except where this permit is more restrictive than the applicable requirement, the emergency diesel generator (EG-1) is subject to the emission standards of 40 CFR 63, MACT Subpart ZZZZ, with a site rating of less than or equal to 500 hp shall be in compliance with 40 CFR 63, MACT Subpart ZZZZ by May 3, 2013. The unit shall comply with the following requirements, as applicable:
 - a. Emission limitations in 40 CFR 63.6603 (40 CFR 63 MACT Subpart ZZZZ Table 2d):
 - i. Except during periods of startup of the engine, change oil and filter every 500 hours of operation or annually, whichever comes first;
 - ii. Except during periods of startup of the engine, inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
 - iii. Except during periods of startup of the engine, inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
 - iv. During periods of startup of the engine, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
 - b. General compliance requirements in 40 CFR 63.6605:
 - i. The permittee must be in compliance with the emission limitations and operating limits in this subpart that apply at all times.

- ii. At all times the permittee must operate and maintain any affected source including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
- c. Monitoring, installation, collection, operation, and maintenance requirements in 40 CFR 63.6625(e), (f), (h), and (i):
- i. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
 - ii. Install a non-resettable hour meter, if one is not already installed.
 - iii. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in 40 CFR 63 MACT Subpart ZZZZ, Table 2d apply.
 - iv. The permittee shall have the option to utilize the oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement in condition 18.a.i.
- d. Continuous compliance requirements in 40 CFR 63.6640 and reporting requirements in 40 CFR 63.6650:
- i. Report each instance in which you did not meet each emission limitation or operating limitation in 40 CFR 63 MACT Subpart ZZZZ Table 2d that applies to you and report these deviations according to the requirements in 40 CFR 63.6650.
 - ii. Report each instance in which you did not meet the requirements in 40 CFR 63 MACT Subpart ZZZZ Table 8 that apply to you.
 - iii. Any operation other than emergency operation, maintenance, and testing, and operation in non-emergency situations for more than 50 hours per year, as permitted in these conditions, is prohibited.
 - iv. There is no time limit on the use of emergency stationary RICE in emergency situations.

- v. The permittee may operate the emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.
- vi. The permittee may operate the emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.
 - 1. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level
 - 2. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent.
 - 3. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations.
- e. Recordkeeping requirements in 40 CFR 63.6655 (except (c)) and 63.6660:
 - i. A copy of each notification and report that the permittee submitted to comply with 40 CFR 63 MACT Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).
 - ii. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
 - iii. Records of all required maintenance performed on the air pollution control and monitoring equipment.
 - iv. Records of action taken during periods of malfunction to minimize emissions in accordance with condition 17.b.ii, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

- v. Records of the maintenance conducted on the RICE pursuant to condition 17.c.i.
- vi. Records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.
- vii. The permittee shall keep each record in a form suitable and readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).
- f. Requirements as specified in 40 CFR 63 MACT Subpart ZZZZ, Footnote 1 of MACT Subpart ZZZZ Table 2d: If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in condition 17.a.1, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State, or local law under which the risk was deemed unacceptable.
- g. Requirements of the General Provisions listed in 40 CFR 63 Subpart A, as applicable pursuant to Table 8 of 40 CFR 63 Subpart ZZZZ, except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h).

(9 VAC 5-80-110, 40 CFR 63.6603, 63.6605, 63.6625, 63.6640, 63.6645, 63.6650, 63.6655, 63.6660 and referenced Subpart ZZZZ tables)

Monitoring

- 18. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Monitoring - LFG Collection System Monitoring Requirements** - The operation of the gas collection system shall be monitored as follows:
 - a. The following items shall be monitored each month:
 - 1) Gauge pressure, each well.
 - 2) LFG temperature, each well.
 - 3) Nitrogen content or oxygen concentration, each well.
 - 4) Cover integrity.

- b. The methane concentration at landfill surface shall be monitored at least once every quarter. Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

(9 VAC 5-80-110, 40 CFR 60.755, 40 CFR 60.756 and Condition 19 of the NSR permit dated 11/20/2014)

19. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-01 and PCD-03) Monitoring - LFG Control System Monitoring Requirements** - The operation of the gas control system shall be monitored as required by NSPS Subpart WWW (40 CFR 60.756) as follows:

- a. Landfill gas flow, recorded at least once every 15 minutes for each flare (PCD-01 and PCD-03).
- b. The presence of the pilot flame or the flare flame shall be continuously monitored by a heat sensing device and recorded for the PCD-01 open flare when landfill gas is being vented to the open flare.
- c. Control efficiency of the PCD-03 enclosed flare with respect to NMOC destruction or the CNMOC at the flare stack based on the latest test results, using a calculation method approved by the Piedmont Regional Office.

(9 VAC 5-80-110, 40 CFR 60.756 and Condition 20 of the NSR permit dated 11/20/2014)

20. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Monitoring - Corrective Actions** - If monitoring demonstrates that the requirements of Conditions 2 (c), (d), (e), (f), (g), (h), or (i) are not being met, corrective actions shall be taken as specified in 40 CFR 60.755 (a) (3) through (5) or 40 CFR 60.755 (c). If corrective actions are taken as specified in 40 CFR 60.755(c)(4), the monitored exceedance for the surface methane operational standard is not a violation of the operational requirements of this permit or 40 CFR 60, Subpart WWW.

(9 VAC 5-80-110, 40 CFR 60.755 and Condition 21 of the NSR permit dated 11/20/2014)

21. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Monitoring - Monitoring Equipment** – All monitoring equipment required to comply with Subpart WWW (subsection 60.756) shall be installed and operational by 180 days of the date of initial operation of the landfill gas collection and control system. Performance evaluation of the monitoring equipment shall take place during the initial performance test under Subpart WWW (40 CFR 60.752 and 40 CFR 60.754) or within 30 days thereafter. Two copies of the performance evaluation report shall be submitted to the Piedmont Regional Office within 45 days of the initial performance evaluation. Verification of satisfactory operation of monitoring equipment shall, at a minimum, include certification that manufacturer's written requirements or recommendations for installation, operation, and calibration of the devices have been followed.

((9 VAC 5-80-110, 40 CFR 60.756, 40 CFR 63.1930 and Condition 22 of the NSR permit dated 11/20/2014)

22. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Monitoring - NSPS and MACT Requirements** - The landfill gas collection and control system shall be monitored and all appropriate data recorded as required in 40 CFR 60.756 and 40 CFR 63.1930.
(9 VAC 5-80-110 and Condition 23 of the NSR permit dated 11/20/2014)
23. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-01 and PCD-03) Monitoring - Periodic Monitoring** - At least once per week an observation of the presence of visible emissions from the operating flares (PCD-01 and PCD-03) shall be made. If visible emissions are observed, the Facility shall either take timely corrective action such that the flare(s) resumes operation with no visible emissions, or perform a visible emission evaluation (VEE) in accordance with 40 CFR 60, Appendix A, Method 22. The VEE shall be conducted and details recorded in the logbook. If compliance is not demonstrated by this VEE, timely corrective action shall be taken such that the flare(s) resumes operation with no visible emissions. If visible emission inspections conducted during twelve consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.
(9 VAC 5-80-110)

Recordkeeping

24. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Recordkeeping - On-Site Records** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Regional Office. These records shall include, but are not limited to:
- a. Current maximum design capacity, current amount of refuse in place, and year by year refuse accumulation rates.
 - b. Description, location, amount, and placement date of all non-degradable refuse including asbestos, demolition-refuse, and coal ash placed in landfill areas that are excluded from landfill gas estimation or landfill gas collection and control.
 - c. Installation date and location of all newly installed wells, horizontal gas collectors, and surface gas collectors.
 - d. Map or plot showing each existing and planned well, horizontal gas collector, and surface collector in the gas collection system with each well and collector uniquely identified.
 - e. Maximum expected gas generation flow rate calculated according to 40 CFR 60.755(a)(1).
 - f. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures listed in 40 CFR 60.759(a)(1).
 - g. The type of open flare (i.e. steam-assisted, air-assisted, or non-assisted) used, all visible emission readings, the heat content determination, gas flow rate measurements, and exit velocity determinations made during the required performance tests (completed) for the PCD-01 open flare.

- h. The flare pilot flame or flare flame continuous monitoring in the flare stack for PCD-01 the open flare. The flame monitoring record for the PCD-03 enclosed flare.
- i. All periods of operations when landfill gas is being vented to the PCD-01 open flare during which the pilot flame or flare flame is absent for the PCD-01 open flare.
- j. The monthly monitored gauge pressure, temperature, and nitrogen or oxygen concentration for each well.
- k. The results from the monthly cover integrity monitoring and the date of cover repair.
- l. The quarterly monitored methane concentration at the landfill surface and the surface monitoring plan developed for the quarterly monitoring which includes a topographic map with the monitoring route at 30 meter intervals and the rationale for any site-specific deviations from the required intervals.
- m. The landfill gas flow, recorded at least once every 15 minutes for the PCD-01 open flare and PCD-03 enclosed flare.
- n. All exceedances for the monitoring requirements listed in Conditions **2** and **20**, the results from any subsequent readings of an exceedance parameter, the location of the exceedance, and the action taken to correct the exceedance.
- o. All decommissioned wells and supporting documentation to show the reason for decommissioning each well.
- p. Any inoperable periods exceeding 1 hour for the collection or control system.
- q. The yearly throughput of landfill gas to the open flare PCD-01 and the enclosed flare PCD-03, calculated monthly as the sum of each consecutive 12 month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- r. Date of first waste placement for Phases 1, 2, 3, 4, and 5.
- s. Calculations detailing the estimated annual site specific density and maximum design capacity.
- t. A copy of the most recent approved gas collection and control system design plan.
- u. Dates and results of all TRS, NMOC and LFG heat content sampling.

These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110, 40 CFR 60.758 and Condition 24 of the NSR permit dated 11/20/2014)

Testing

25. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Testing - Determination of NMOC Concentration and LFG Flow Rate** - After the installation of a gas collection and control system in compliance with 40 CFR 60.755, the permittee shall determine the actual NMOC concentration and LFG flow rate and shall calculate the NMOC emission rate in accordance with 40 CFR 60.754 (b) for reporting the uncontrolled NMOC emission rate for when the GCCS can be removed.
(9 VAC 5-80-110, 40 CFR 60.754 and Condition 17 of the NSR permit dated 11/20/2014)
26. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Testing - Landfill Gas Sampling** - Within eighteen (18) months from the date of this permit, the permittee shall conduct an additional analysis of Total Reduced Sulfur (TRS) from the main header pipe at the blower/flare station to demonstrate compliance with the emission limits contained in this permit [Completed]. The details of the sampling shall be arranged with the Piedmont Regional Office. The permittee shall submit a sampling protocol at least 30 days prior to sampling. One copy of the sampling results shall be submitted to the Piedmont Regional Office within 45 days after completion. If the results of the sampling, conducted as described in this condition, indicate a statistically significant increase in permitted TRS concentration in the landfill gas, the permittee shall submit a permit amendment application within 60 days of receiving the results of the sampling. If the results of the sampling, conducted as described in this condition, indicate no significant increase in TRS concentration in the landfill gas, the permittee may request a waiver from additional sampling for TRS.
(9 VAC 5-80-110 and Condition 18 of the NSR permit dated 11/20/2014)
27. **Fuel Burning and Process Equipment – (Emission Unit #s PCD-01 and PCD-03) Testing - Testing/Monitoring Ports** - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.
(9 VAC 5-80-110 and Condition 28 of the NSR permit dated 11/20/2014)

Reporting

28. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Reporting - Initial Compliance Report** - The permittee shall submit, within 180 days of the startup of the LFG collection and control system, an initial compliance report containing, at a minimum, the following:
- A diagram of the collection system showing all wells, horizontal collectors, or other gas extraction devices, any areas excluded from gas collection and proposed sites for future collection system expansion;
 - The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based;
 - The documentation of the presence of asbestos or non-degradable material from each area from which collection wells have been excluded based on the presence of asbestos or non-degradable material.

- d. The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on non-productivity and the calculations of the gas generation flow rate for each excluded area;
- e. The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill;
- f. The provisions for the control of off-site migration;
- g. For enclosed combustion devices:
 - (i) Average combustion temperature, measured at least once every fifteen minutes and averaged over the duration of the performance test.
 - (ii) Percent reduction of NMOC's by the control device, and supporting test documentation.
 - (iii) All visible emissions readings.
- h. An NMOC emission rate report within one year after the first annual emission rate of NMOC exceeds 50 megagrams per year.

This report shall be submitted annually until after installation of the gas collection and control system required by Condition 2.

(9 VAC 5-80-110, 40 CFR 60.757 and Condition 25 of the NSR permit dated 11/20/2014)

29. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Reporting - Annual Compliance Report** – The first annual compliance report shall be submitted within 180 days of start-up of the collection and control system and shall contain the following:

- a. The initial compliance report required by Condition 28.
- b. Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756(a), (b), (c), and (d).
- c. Description and duration of all periods when the control device was not working for a period exceeding 1 hour and length of time control device was not operating.
- d. All periods when the collection system was not operating in excess of 5 days.
- e. The location of each exceedance of the 500 parts per million surface methane concentrations, and the concentration recorded at each location for which an exceedance was recorded as provided in 40 CFR 60.755(c).
- f. The date of installation and the location of each well or collection system expansion added pursuant to paragraph (a)(3), (b), and (c)(4) of 40 CFR 60.755.

Items (b) through (f) shall be submitted annually. The second annual report shall cover the period from the initial annual report to the end of the calendar year. Subsequent annual reports shall cover the calendar year. The second and all subsequent annual reports shall be submitted by March 1 of the following calendar year.

(9 VAC 5-80-110, 40 CFR 60.755, 40 CFR 60.756 and Condition 26 of the NSR permit dated 11/20/2014)

30. **Fuel Burning and Process Equipment – (Emission Unit #s LO1) Reporting - Closure Report -**
The permittee shall submit a closure report to the Director, Piedmont Regional Office and the Administrator within 30 days of the date the MSW landfill stopped accepting waste as required by 40 CFR 60 Subpart WWW. The equipment removal report shall contain all of the following items:
- a. A copy of the closure report submitted in accordance with 40 CFR 60.757(d);
 - b. A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and
 - c. Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.

The Administrator may request such additional information as may be necessary to verify that all of the conditions for removal in 40 CFR 60.752(b)(2)(v) below have been met. The collection and control system may be capped or removed provided that all the conditions of paragraphs 40 CFR 60.752(b)(2)(v) (A), (B), and (C) are met:

- d. The landfill shall be a closed landfill as defined in 40 CFR 60.751. A closure report shall be submitted to the Administrator as provided in 40 CFR 60.757(d);
- e. The collection and control system shall have been in operation a minimum of 15 years; and
- f. Following the procedures specified in 40 CFR 60.754(b), the calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.

Director, Piedmont Regional Office may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 9 VAC 20-80-250 E and F and 40 CFR 258.60. If a closure report has been submitted to the Director, Piedmont Regional Office, no additional wastes may be placed into the landfill without filing a notification of modification.

(9 VAC 5-80-110, 40 CFR 60.757 and Condition 27 of the NSR permit dated 11/20/2014)

Facility-wide

31. **Fuel Burning and Process Equipment – (Emission Unit #s LO1, PCD-01 and PCD-03) Reporting - National Emissions Standards for Hazardous Air Pollutants (Municipal Solid Waste Landfills)** - The Landfill 'MACT' (40 CFR 63 Subpart AAAA), published January 16, 2003, includes the following additional requirements for affected MSW landfills.
- a. Those affected sources defined as 'existing landfills' shall be in compliance with the specific items included in 40 CFR Part 63, Subpart AAAA by January 16, 2004.
 - b. A "Startup, shutdown and malfunction" (SSM) Plan shall be developed and implemented for the facility. A copy shall be available on site for inspection by the DEQ and shall contain all revisions for the most recent five (5) years. (40 CFR 63.6(e)(3) and 40 CFR 63.1960)
 - c. Annual reports of the operation of the GCCS, as required by the NSPS, Subpart 60.757(f), will be required semi-annually beginning with the first report after the compliance date of January 16, 2004. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. (40 CFR 63.1980)
 - d. Semiannual reports are required by 40 CFR 63, Subpart AAAA and 40 CFR 63.10(d)(5). The time periods to be addressed are January 1 to June 30 and July 1 to December 31. SSM Reports shall be submitted on March 1 and September 1 of each calendar year. The SSM plan (report) should include the following:
 1. Each SSM event and a description of how thorough the facility complied with each item contained in the SSM Plan.
 2. Inconsistent actions taken by the facility during an SSM event must be recorded within two working days of the event and a letter must be submitted to the Administrator within seven days of the event.
 3. Any new actions that are indicated as appropriate during an SSM event shall be incorporated in a new SSM Plan.
 4. Any revisions to the SSM Plan for the period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110, 40 CFR 63, Subpart AAAA and Condition 29 of the NSR permit dated 11/20/2014)

Insignificant Emission Units

32. **Insignificant Emission Units** - The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted	Rated Capacity (5-80-720 C)
L03	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	1,000,000 Gallons
L04	Fixed roof, vertical leachate storage tank	5-80-720 B.	VOC	1,000,000 Gallons
L05	Horizontal Above Ground Diesel Fuel storage tank	5-80-720 B.	VOC	4,000 Gallon off road diesel
L10	Clean Burn Oil Heater (Used Oil)	5-80-720 B.	VOC/HAPS/CO/NOX/SO X/PM	(< 1 Million BTU/Hr)

¹The citation criteria for insignificant activities are as follows:

- 9 VAC 5-80-720 A - Listed Insignificant Activity, Not Included in Permit Application
- 9 VAC 5-80-720 B - Insignificant due to emission levels
- 9 VAC 5-80-720 C - Insignificant due to size or production rate

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, record keeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

Permit Shield & Inapplicable Requirements

33. **Permit Shield & Inapplicable Requirements** - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
Existing Source Rule 4-43 (9 VAC 5-40-5800) and 40 CFR 60 subpart Cc	Emission Standards and Emission Guidelines for Sanitary Landfills	These regulations only apply to municipal solid waste landfills which commenced construction, reconstruction or modification before May 30 1991.
40 CFR 64	Compliance Assurance Monitoring	Generally, the requirements of Compliance Assurance Monitoring (CAM) for landfills do not apply because 40 CFR 64.2(b) "Exemptions—(1) Exempt emission limitations or standards. The requirements of this part shall not apply to any of the following emission limitations or standards: (i) Emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act." Since the landfill facility is subject to the requirements of NSPS Subpart WWW and MACT AAAA, CAM does not apply.
40 CFR 75	Acid Rain Regulations	This landfill does not have a "Qualifying Facility."
40 CFR Parts 51,52,70 and 71	Title V Greenhouse Gas Tailoring Rule,	Title V Greenhouse Gas Tailoring Rule, 40 CFR Parts 51, 52, 70 and 71, does not apply to the facility as it is an existing PSD source not currently subject to PSD modification for any pollutant.
Existing Source Rule 4-8 (9 VAC 5-40-880)	Emission Standards for Fuel Burning Equipment	"E. The provisions of this article do not apply to stationary internal combustion engines."
Existing Source Rule 4-25 (9 VAC 5-40-3410) and 4-37 (9 VAC 5-40-5200) and 40 CFR 60, Subpart NSPS Kb,	Emission Standards for Tanks	This landfill does not have a "Qualifying Facility."

Citation	Title of Citation	Description of Applicability
9 VAC 5-40-20 A.4	Startup, shut down, and malfunction opacity exclusion	The startup, shut down, and malfunction opacity exclusion listed in 9 VAC 5-40-20 A.4 cannot be included in any Title V permit. This portion of the regulation is not part of the federally approved state implementation plan. The opacity standard applies to existing sources at all times including startup, shutdown, and malfunction. Opacity exceedances during malfunction can be affirmatively defended provided all requirements of the affirmative defense section of this permit are met. Opacity exceedances during startup and shut down will be reviewed with enforcement discretion using the requirements of 9 VAC 5-40-20 E, which state that "At all times, including periods of startup, shutdown, soot blowing and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions."

Nothing in this permit shield shall alter the provisions of § 303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to § 114 of the federal Clean Air Act, (ii) the Board pursuant to § 10.1-1314 or § 10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to § 10.1-1307.3 of the Virginia Air Pollution Control Law.

(9 VAC 5-80-140)

34. **Future Applicable Requirements** - On May 23, 2002, EPA proposed significant revisions (67 FR 36476) in order to clarify: 1) responsibility for compliance activities on-site; 2) definition of treated landfill gas; 3) initial test performance test requirements; and 4) compliance activities conducted by third parties with control systems off-site. A copy of 67 FR 36476 is attached to the Title V permit for reference.

General Conditions

35. **General Conditions - Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)
36. **General Conditions - Permit Expiration** - This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
- a. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
 - b. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
 - c. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
 - d. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
 - e. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)
37. **General Conditions -Recordkeeping and Reporting** - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
- a. The date, place as defined in the permit, and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of such analyses; and
 - f. The operating conditions existing at the time of sampling or measurement.

Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9 VAC 5-80-110 F)

38. **General Conditions – Monitoring Report** - The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:
- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31; and
 - b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
 - i. Exceedance of emissions limitations or operational restrictions;
 - ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
 - iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
 - c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

39. **General Conditions - Annual Compliance Certification** - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to § 114(a)(3) and § 504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:
- a. The time period included in the certification. The time period to be addressed is January 1 to December 31;
 - b. The identification of each term or condition of the permit that is the basis of the certification;
 - c. The compliance status;
 - d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;
 - e. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;

- f. Such other facts as the permit may require to determine the compliance status of the source; and
- g. One copy of the annual compliance certification shall also be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9 VAC 5-80-110 K.5)

- 40. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Director, Piedmont Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition 38 of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)
- 41. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Piedmont Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Piedmont Regional Office.
(9 VAC 5-20-180 C)
- 42. **General Conditions - Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)
- 43. **General Conditions - Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)
- 44. **General Conditions - Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

45. **General Conditions - Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)
46. **General Conditions - Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)
47. **General Conditions - Duty to Submit Information**
- a. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)
 - b. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
- (9 VAC 5-80-110 K.1)
48. **General Conditions - Duty to Pay Permit Fees** - The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9 VAC 5-80-2310 through 9 VAC 5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9 VAC 5-80-2340, adjusted annually by the change in the Consumer Price Index.
(9 VAC 5-80-110 H, 9 VAC 5-80-340 C, and 9 VAC 5-80-2340 B)
49. **General Conditions - Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
 - b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

- c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
- d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
- e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90)

50. **General Conditions - Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E)

51. **General Conditions - Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

52. **General Conditions - Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
- b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
- c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
- d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

53. **General Conditions - Reopening For Cause** - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F. The conditions for reopening a permit are as follows:
- a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
 - b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
 - c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.
- (9 VAC 5-80-110 L)
54. **General Conditions - Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)
55. **General Conditions - Transfer of Permits**
- a. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)
 - b. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)
 - c. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)
56. **General Conditions - Malfunction as an Affirmative Defense**
- a. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements stated in General Condition 56.b are met.
 - b. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
 - i. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

- ii. The permitted facility was at the time being properly operated.
 - iii. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
 - iv. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.
- c. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.
 - d. The provisions of General Condition 56 are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

57. **General Conditions - Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)
58. **General Conditions - Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)
59. **General Conditions - Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)
60. **General Conditions - Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

61. **General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)
62. **General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)
63. **General Conditions - Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
 - a. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
 - b. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
 - c. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.
(9 VAC 5-80-110 I)

State-Only Enforceable Requirements

64. **State-Only Enforceable Requirements** - The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.
- a. **Odor Management Plan:** The approved Odor Management and Control Plan describing the practices and technology that will be used to minimize off-site odors and to address odor complaints that may occur shall be an enforceable part of this permit. The plan shall incorporate the use of best available odor control technology that is appropriate for this landfill. The plan shall also describe procedures that will be implemented in response to citizen odor complaints or the detection of significant off-site odors by DEQ staff, including progressive steps that will be taken to reduce odors. A log of all odor complaints received and actions taken shall be kept and made available for inspection by authorized Federal, State or Local officials. The Odor Management and Control Plan shall be reviewed annually by the Facility and evaluated for the need and feasibility of new or modified odor control technology or practices. Results of the annual plan review, a modified plan (if applicable) and a copy of the log shall be submitted to the Piedmont Regional Office by the first day of March of each year.
(9 VAC 5-80-110 and Condition 39 of the NSR permit dated 11/20/2014)

Appendix A - Title V Annual Compliance Certification

To: Air Compliance Manager
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: (Facility Name)

Registration No. _____

Re: TITLE V ANNUAL COMPLIANCE CERTIFICATION

Date:

Please find attached our Title V Annual Compliance Certification for the period from ____/____/____ to ____/____/____. It identifies each term or condition of the permit that is the basis of the certification. All deviations and periods of non-compliance for the period have been addressed in semi-annual monitoring reports that have either been previously submitted or are enclosed.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(Signature)

(Name & Title)

cc: Director, Air and Waste Division (Mail drop 3AP00)
United States Environmental Protection Agency -- Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(Annual Compliance Certifications are due 60 days following end of reporting period.)

Appendix B - Prompt Deviation Report

To: Air Compliance Manager
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From:

(Facility Name)

Reg. No. _____

Re: PROMPT DEVIATION REPORT – Pursuant to Title V Permit

Date:

This confirms the deviation reported to the Regional Office at _____ o'clock on ____/____/____.
The details are described below. The deviation may have caused excess emissions for more than one hour, consistent with specified averaging times. None of these deviations were related to a malfunction.

Start date & time:	End date & time:	Estimated Duration:
Deviation from which permit condition (condition number and brief description):		
Description of incident (including emission unit affected):		
Description of Monitoring Requirement for affected unit(s):		
Probable cause:		
Description of corrective measures taken (demonstrating a timely & appropriate response):		
Description of preventive measures taken:		

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(Signature)

(Name & Title)

Appendix C - Semi-Annual Monitoring Report

To: Air Compliance Manager
Department of Environmental Quality – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

From: (Facility Name)

Reg. No. _____

Re: SEMI-ANNUAL MONITORING REPORT – Pursuant to Title V Permit

Date:

The following monitoring report is submitted as required by our Title V permit. For the purposes of this report, deviation means (1) exceedances of emission limits, as determined by such means as stack testing, continuous emission monitors, parametric monitoring and EPA Method 9 visible emission evaluations; (2) excursions from control device operating parameter requirements such as afterburner temperature, scrubber flow rate, baghouse pressure drop; (3) excursions from operational restrictions things such as throughput, fuel quality, and coating VOC and HAP content; and (4) failure to meet monitoring, record keeping or reporting requirements. The report addresses all data points, which are above a standard, limit etc, according to the averaging period, if any, specified in the permit. If no averaging period is specified in the permit, then any monitored reading is considered a deviation to be reported. Deviations are reported regardless of whether they may have caused excess emissions or whether they were the result of a malfunction.

The period covered by the report is from ____/____/____ to ____/____/____.

During the reporting period:

☐ No deviations from permit requirements occurred during this semi-annual reporting period. (We conducted all required monitoring and associated record keeping and reporting. Required monitoring revealed no deviations from permit requirements.)

☐ We failed to conduct required monitoring/record keeping/reporting as explained on the attached form.

☐ We identified deviations as a result of required monitoring:

☐ Deviations were addressed in CEM Excess Emission Report(s) dated: _____

☐ Deviations were addressed in Fuel Report(s) dated: _____

☐ Deviations were addressed in MACT Report(s) dated: _____

☐ Deviations due to malfunctions were addressed in letters dated: _____

☐ Deviations were addressed in other report(s) dated: _____

Type of report: _____

☐ Deviations were previously described in Prompt Deviation Reports dated: _____

☐ "Other" deviations, which were not previously reported, are described in the attachment.

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(Signature)

(Name & Title)

Page _____ of _____

[illegible]

Annual Compliance Certification

Registration No. _____

Page _____ of _____

Cond. No.	TERMS & CONDITIONS CONTAINED IN THE PERMIT <i>(list in order)</i>	MEANS OF DETERMINING COMPLIANCE STATUS	TYPE OF DATA THE MEANS PROVIDES	PERIODS OF NON- COMPLIANCE
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Yes <input type="checkbox"/> No

Appendix E - Annual Compliance Certification

Annual Compliance Certification

Registration No. _____

Page _____ of _____

“OTHER” DEVIATIONS

Submitted as Part of Semi-Annual Monitoring Report

Registration No. _____

Page _____ of _____

[illegible]

(Report deviations which may have caused excess emissions for more than one hour on a deviation report form, not here.)